



FEATURES

- Attractive fluorescent architectural recessed luminaire
- Precision optical design produces high efficiency in a high visual comfort architecturally styled direct/indirect distribution
- Custom perforated metal basket is backed by a high transmission lamp-obscuring overlay
- Optimized coating process and unique paint formulation provide exceptional reflectivity in a matte finish for a soft visual image and balanced basket and reflector illumination
- Completely recessed, provides a clean ceiling with uniform illumination at mounting heights as low as 8 feet
- Optional acrylic dust guard pivots to seal lamp compartment against contaminants especially for schools, medical facilities and public spaces
- Recessed, surface or cable mount

PROJECT INFORMATION

Project Name _____

Type _____

Catalog No. _____

Date _____

CONSTRUCTION

Luminaire housing and end caps are die formed code gauge cold rolled steel. The sturdy reflector is stiffened with linear forms, profiled to a precision curve. Perforated basket with high transmission overlay for improved optical efficiency plus lamp obscuration. Basket and all reflective surfaces are finished after fabrication with unique formula high reflectivity matte white paint for soft, uniform indirect illumination.

Thermoplastic light traps snap into the housing at both ends of the basket to prevent light leaks. Basket hinges down for easy access to center wireway

INSTALLATION

An access plate is furnished with each recessed fixture for fast wiring connections without the necessity to open the fixture or wireway.

BALLASTS

Energy efficient, thermally protected, automatic resetting, Class P, high power factor, sound rated A, magnetic or electronic ballasts. CEE NEMA Premium compliant. Fixtures with two ballasts or emergency-equipped fixtures may require using end wireway access.

ELECTRICAL

Standard class "P", thermally protected, autoresetting HPF ballast, sound rated A. CEE NEMA Premium compliant. All ballast leads extend a minimum of 6" through access location. NEC/CEC-compliant ballast disconnect is standard.

CEILING COMPATIBILITY

Designed for recessed installation in standard inverted tee grid ceilings (G), recessed installation in hard ceilings (G with FK accessory), surface mount at ceiling plane (SM) or cable mount suspension below ceiling plane (CM). For type SG ceilings order G trim. Fixture will be regressed 3/8" from the face of the ceiling tee. For compatibility with specific ceilings contact your Hubbell Lighting representative. Four integral T-bar clips are located in the end caps. Contact your Columbia representative for compatibility information for specific ceiling types or for continuous row applications in hard ceilings.

CERTIFICATION

All luminaires are built to UL 1598 standards and bear appropriate UL and cUL or CSA labels. Damp location labeling is standard. Emergency-equipped fixtures labeled UL 924.

ORDERING INFORMATION

EXAMPLE STE22-240TT-MPO-ETTU

MODEL	NO. OF LAMPS	CEILING TYPE	SHIELDING	VOLTAGE	OPTIONS
STE Stratus® E-Series Recessed Indirect	2 Two 3 Three	G Grid ¹ SM Surface Mount CM Cable Mount ²	MPO Metal Perf w/Overlay	U 120V-277V 347 347V	C388 3-Wire Flex C488 4-Wire Flex C588 5-Wire Flex EL Emergency Battery Pack, 350-450 Lumens DG Dust Guard Clear Acrylic GLR Fast Blow Fuse GMF Slow Blow Fuse CP Chicago Plenum
	SIZE	LAMP TYPE	BALLAST		
	22 2' x 2'	40TT Twin Tube Compact, 2G11 Base: 40 Watt 50TT Twin Tube Compact, 2G11 Base: 50 Watt	ETT Electronic Twin Tube, Instant Start EPTT Electronic Twin Tube, Programmed Start		

ACCESSORIES (ORDER SEPARATELY)

- FK22** 2' x 2' Single Flange Kit (Shipped separately)
- FKCR** Flange Kit Row Adapter
- CM 48Y2SC3F** 48" Cable Mount Kit for 2' wide Cable Mount Fixtures, 2 Wire

¹ For drywall, order Flange Kit accessories separately.
² Order hanger accessories separately

PHOTOMETRIC DATA

Test 3693 Test Date 10/19/10

LUMINAIRE DATA

Luminaire	STE22-240TTG-MPO-EU Stratus, Recessed/Architectural 2 x 2 2-lamp with perforated metal basket and opal overlay
Ballast	ICN-2TTP40-SC
Ballast Factor	0.88
Lamp	F40TT
Lumens per Lamp	3150
Watts	68
Shielding Angle	0° = 90 90° = 90
Spacing Criterion	0° = 1.21 90° = 1.29
Luminous Opening in Feet	Length: 1.92 Width: 1.86 Height: 0.00

ZONAL LUMEN SUMMARY

Zone	Lumens	% Lamp	% Fixt.
0-30	1269	20.1	26.5
0-40	2078	33.0	43.3
0-60	3717	59.0	77.5
0-90	4796	76.1	100.0
0-180	4796	76.1	100.0

ENERGY DATA

Total Luminaire Efficiency	76.1%
Luminaire Efficacy Rating (LER)	62
IESNA RP-1-1993 Compliance	Noncompliant
Comparative Yearly Lighting Energy Cost per 1000 Lumens	\$3.87 based on 3000 hrs. and \$0.08 per KWH

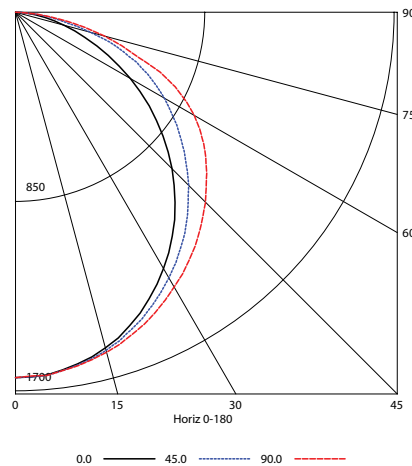
COEFFICIENTS OF UTILIZATION (%)

RCR	RW	80				70				50				0
		70	50	30	10	70	50	30	10	50	30	10	0	
1	83	79	76	73	81	77	74	71	74	71	69	63		
2	75	68	63	59	73	67	62	58	64	60	57	52		
3	68	60	54	49	66	59	53	48	56	51	47	44		
4	62	53	46	41	61	52	46	41	50	44	40	37		
5	57	47	40	35	56	46	40	35	45	39	35	32		
6	53	42	36	31	51	42	35	30	40	35	30	28		
7	49	38	32	27	48	38	31	27	37	31	27	25		
8	46	35	29	24	44	35	28	24	34	28	24	22		
9	43	32	26	22	41	32	26	22	31	25	21	20		
10	40	30	24	20	39	29	23	19	29	23	19	18		

RCR = Room Cavity Ratio

RC = Effective Ceiling Cavity Reflectance RW = Wall Reflectance

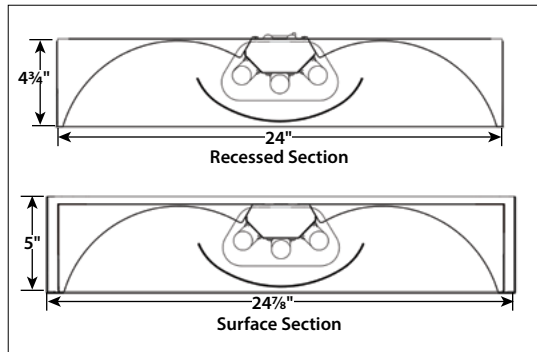
INDOOR CANDELA PLOT



AVG. LUMINANCE (Candela/Sq. M.)

Average Luminance Angle	0.0	22.5	45.0	67.5	90.0
0	4943	4943	4943	4943	4943
30	4622	4671	4792	4918	4956
40	4383	4470	4718	4962	5056
45	4237	4361	4689	5013	5141
50	4051	4220	4647	5069	5252
55	3852	4109	4645	5202	5423
60	3587	3967	4648	5347	5588
65	3274	3787	4643	5406	5641
70	2917	3578	4539	5147	5138
75	2644	3331	4053	4612	4810
80	2326	2777	3419	4010	4131
85	1902	2248	2836	3216	3285

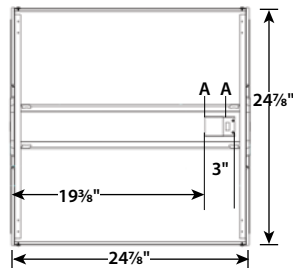
DIMENSIONAL DATA



Top View

Surface K.O. Dimensions

A: 2" x 3" Access with (2) 7/8" Mount Supply Knockouts



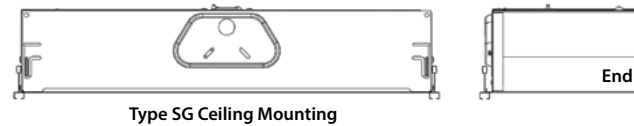
CEILING COMPATIBILITY

Type G Side



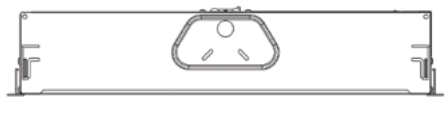
For lay-in installation in exposed grid ceilings. Maximum tee widths of 1" and maximum heights of 1 1/2" allowed.

Type SG Ceiling



For 3/8" slot grid type ceilings. Luminaire will be regressed 3/8" horizontal surface of the tee.

FK Flange Kit

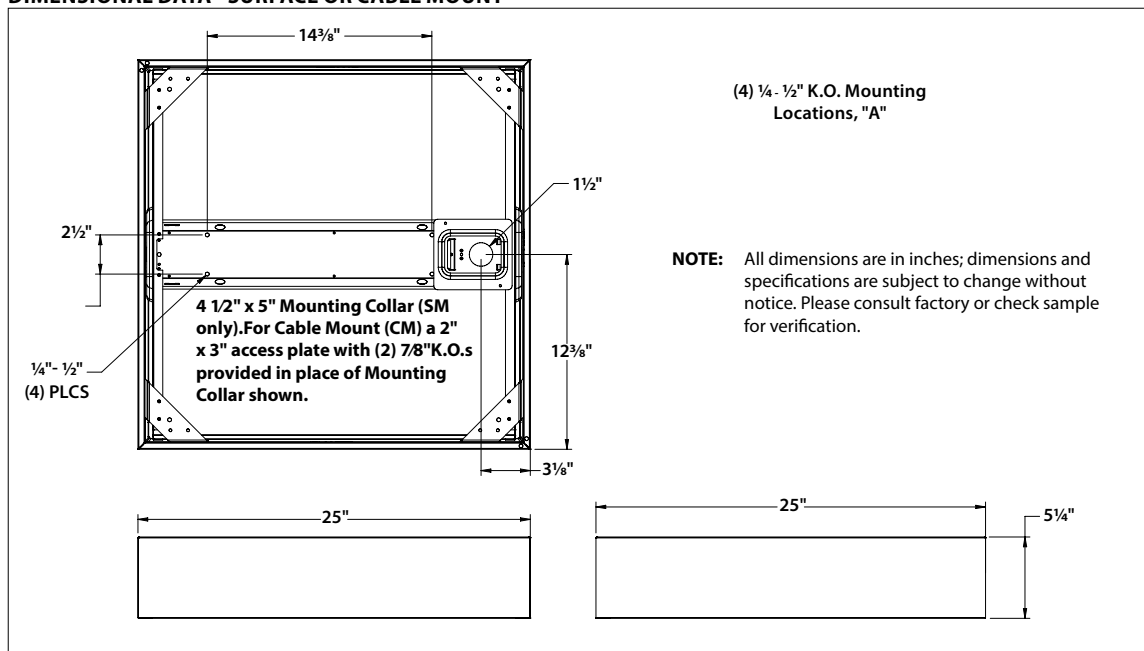


For hard ceiling applications, fixtures must be ordered with a flange kit that wires directly into the concealed ceiling opening for a clean finished appearance. For row configurations contact your local Columbia Representative.

Flange kit cut out dimension for single FK22 only: 24 3/8" x 24 3/8"

NOTE: All dimensions are in inches; dimensions and specifications are subject to change without notice. Please consult factory or check sample for verification.

DIMENSIONAL DATA - SURFACE OR CABLE MOUNT



SURFACE MOUNT

Order SM ceiling type. Mounting collar required for surface mounting. (4) Mounting knock outs, 1/4" to 1/2" provided as shown, marked "A".

CABLE MOUNT

Order CM ceiling type. Access plate supplied for cable mounting or suspension. Use CM48Y2C3F-KIT 48" cable mount kit. Includes 3 wire feed cord. For other wiring needs, contact Hubbell representative. Mounting knock-outs, 1/4" to 1/2", provided as shown, marked "A".